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Notice of Allowability	Application No.	Applicant(s)	
	10/085,451	SUGAYA ET AL.	
	Examiner	Art Unit	
	Prenell P. Jones	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/10/06.
2. ☒ The allowed claim(s) is/are 2,3 and 6-11.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>9/29/06</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Bruno Polito on September 29, 2006.

The application has been amended as follows:

Regarding claim 2. (Currently amended) in line 17, "~~number~~ numbers added to said"

Regarding claim 3. (Currently amended) in line 17, "~~number~~ numbers added to said"

Allowable Subject Matter

2. Claims 2, 3 and 6-11 are allowed over prior art.
3. The following is an examiner's statement of reasons for allowance: Applicant has canceled previously rejected claims 1, 4 and 5, and amended previously objected to claims 2, 3 and 6 to include previously indicated allowable subject matter. As indicated in the previous office action claims 7-9 contain allowable subject matter.

The prior art fail to teach or suggest with respect to claim 2, dividing asynchronous information to be transmitted from a high order layer into packets in sequence at a predetermined fragment size, writing a most recent sequence number buffered in said transmission buffer in a buffer pointer, and adding a sequence number starting from a value of a buffer point when asynchronous information is next divided into packets, with respect to claim 3, dividing asynchronous information to be transmitted from a high order layer into packets in sequence at a predetermined fragment size, writing a most recent sequence number buffered in said transmission buffer in a buffer pointer and storing packets up to a value indicated by a total sequence-number space for the packet for which acknowledgement information is received from said wireless transmission apparatus of the information transmission destination minus one, when asynchronous information is next divided into packets, with respect to claim 6, selection-repeat-resend-type automatic resend request control, wherein only a packet which has not been received is selected and re-transmitted, with respect to claim 7 and 9, a wireless method utilizing selection-repeat-resend type automatic resend request control wherein a high-order-bit identification pointer for indicating the position in the total sequence-number space to which a low-order bit-map-space area, and virtually performing transmission control in the total sequence-number space by repeatedly using a low-order bit-map-space area and high-order-bit

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identification pointer, with respect to claim 8, storing the most recent sequence number buffered in buffering means as a buffer pointer, and a sequence number adding means for reading value of the buffer point and adding a sequence number when asynchronous information is next buffered.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prenell P. Jones whose telephone number is 571-272-3180. The examiner can normally be reached on 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Prenell P. Jones

September 29, 2006


CHI PHAM
SUPERVISORY PATENT EXAMINER 9/29/06